

10576.204.ST25.txt

His Asn Val Ser Asp Ser Ile His Ile Thr Ala Leu Asp Val Thr Asp
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Glu Gln Ser Ile Val Ser Phe Gly Lys Ala Val Ser Ala Tyr Ala Pro
 65 70 75 80

Ile Asp Leu Leu Val Asn Asn Ala Gly Thr Ala Tyr Gly Gly Phe Ile
 85 90 95

Glu Asp Val Pro Met Glu His Phe Arg Gln Gln Phe Glu Thr Asn Val
 100 105 110

Phe Gly Val Ile His Val Thr Lys Thr Val Leu Pro Tyr Ile Arg Lys
 115 120 125

His Gly Gly Ala Lys Ile Ile Asn Val Ser Ser Ile Ser Gly Leu Thr
 130 135 140

Gly Phe Pro Ala Leu Ser Pro Tyr Val Ser Ser Lys His Ala Leu Glu
 145 150 155 160

Gly Phe Ser Glu Ser Leu Arg Ile Glu Leu Leu Pro Phe Gly Ile Glu
 165 170 175

Thr Ala Leu Ile Glu Pro Gly Ser Tyr Lys Thr Ser Ile Trp Ser Thr
 180 185 190

Ser Leu Ser Asn Phe Met Ser Val Pro Ala Asp Asp Ser Ala Tyr His
 195 200 205

Gln Tyr Tyr Lys Lys Ile Leu Ser Tyr Val Gln Lys Asn Gly Glu Glu
 210 215 220

Ser Gly Asp Pro Gln Glu Val Ala Asp Leu Ile Tyr Gln Leu Ala Thr
 225 230 235 240

Lys Gln His Ile Lys Asn Leu Arg Tyr Pro Ile Gly Lys Gly Ile Lys
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Leu Thr Leu Leu Phe Arg Ser Leu Phe Pro Trp Ser Ala Trp Glu Ser
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Ile Leu Lys Lys Lys Leu Phe Ser
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 <212> DNA
 <213> Bacillus subtilis 168

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10576.204.ST25.txt

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<400> 4

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His Lys Leu Val Asp Ile Asn Gln Asp Val Trp Asn Glu Leu Leu Thr
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Lys Pro Gly Leu Arg Asp Val Ser Tyr Ile Leu Asn Glu Arg Arg Gln
 35 40 45

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Arg Val Ala Glu Lys Leu Ser Pro Gly Lys Glu Lys Leu Ile Gly Asn
50 55 60

Leu Ala Val Asp Gly Tyr His Ala Trp Ser Asp Leu Tyr Asn Met Val
65 70 75 80

Val Gly Lys Met Thr Ile Pro Tyr Glu Glu Asn Gly Glu Asn Lys Gln
85 90 95

Leu Ser Val Gly Gln Ala Glu Asn Met Met Asp His Gln Asp Arg Thr
100 105 110

Val Arg Lys Thr Val Tyr Glu Arg Phe Arg Gln Ala Trp Glu Ser Lys
115 120 125

Gln Asp Ile Phe Ser Ser Thr Leu Asn His Leu Ala Gly Phe Arg Leu
130 135 140

Glu Thr Tyr Lys Ala Arg Gly Trp Glu Asn Val Leu Lys Glu Pro Leu
145 150 155 160

Gln Ile Asn Arg Met Lys Lys Glu Thr Leu Asp Thr Met Trp Gln Val
165 170 175

Ile Thr Glu Asn Lys Lys Pro Phe Val Gln Phe Leu Asn Arg Lys Ala
180 185 190

Ser Met Leu Gly Leu Glu Lys Leu Ser Trp Tyr Asp Val Glu Ala Pro
195 200 205

Ile Gly Ser Asp Gly Lys Val Tyr Ser Tyr Asp Glu Ala Ala Asn Ile
210 215 220

Ile Thr Ser Gln Phe Ser Thr Phe Gly Lys Lys Leu Ser Ser Phe Thr
225 230 235 240

Glu Lys Ala Phe Arg Asp Gly Trp Ile Glu Ala Glu Asp Arg Ser Gly
245 250 255

Lys Arg Val Gly Gly Phe Cys Thr Ser Phe Pro Asp Ser Gly Glu Ser
260 265 270

Arg Ile Phe Met Thr Phe Ser Gly Ser Ala Ser Asn Val Ser Thr Leu
275 280 285

Ala His Glu Leu Gly His Ala Phe His Gln Glu Ala Met Leu Asn Val
290 295 300

Arg Pro Leu Asn Arg Ser Tyr Ala Met Asn Val Ala Glu Thr Ala Ser
305 310 315 320

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Thr Phe Ala Glu Met Ile Val Ala Asp Ala Thr Val Gln Gln Ala Glu
325 330 335

Thr Arg Glu Glu Lys Leu Val Leu Leu Glu Asp Lys Val Gln Arg Ser
340 345 350

Val Ala Phe Phe Met Asn Ile His Ala Arg Phe Leu Phe Glu Thr Arg
355 360 365

Phe Tyr Glu Glu Arg Lys Arg Gly Val Val Pro Ala Ser Arg Leu Asn
370 375 380

Glu Leu Met Glu Glu Ala Gln Arg Glu Ala Tyr Cys Asn Ala Leu Glu
385 390 395 400

Glu Tyr His Pro Leu Phe Trp Ala Ser Lys Leu His Phe His Ile Thr
405 410 415

Arg Val Pro Phe Tyr Asn Phe Pro Tyr Thr Phe Gly Tyr Leu Phe Ser
420 425 430

Leu Gly Ile Tyr Ala Leu Ala Leu Glu Glu Lys Asp Thr Phe Glu Glu
435 440 445

Lys Tyr Met Ala Leu Leu Arg Asp Thr Ala Ser Met Thr Val Glu Asp
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Leu Ala Met Lys His Leu Gly Ala Asp Ile Thr Lys Arg Asp Phe Trp
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10576.204.ST25.txt

<211> 98
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<213> Bacillus subtilis 168

<400> 6

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Lys Gly Gly Ser Gln Ser Glu Glu Phe Lys Gly Tyr Ile Glu Lys Leu
20 25 30

Ser Gln Ser Leu Arg Ala Phe Gln Asp Arg Thr Asp Ala Phe Gln Val
35 40 45

Pro Glu Ser Pro Glu Glu Ala Glu Gly Leu Thr Ala Leu Leu Asp Leu
50 55 60

Ile Glu Gln Thr Ser Val Lys Leu Gln Gln Ala Gly Ala Phe Val Ala
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Cys Leu Gln Ala Gln Asn Ile Asn Asp Gln Lys Ala Ile Glu His Gln
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Ala Ser

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<220>
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<210> 9
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<220>
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<223> PCR product yuszSOEpcr

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<210> 17
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10576.204.ST25.txt

<212> DNA
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<220>
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